



Personal System/2 Models 55 SX and 55 LS

Powerful performance at a practical price

Boost productivity in your own work and on your network with Personal System/2® Models 55 SX and 55 LS. Built around Intel386™ SX microprocessors, they support 32-bit applications for a practical price. And because they're based on Micro Channel® architecture, they make multitasking and multiuser applications practical, too.

These midline members of the PS/2® family now come with standard 4MB of expandable memory (twice as much as in the past). Beyond that standard, you have lots of ways to go. Choose an SX system with new, higher-capacity hard files—40 or 80 million bytes of disk storage. Select a medialess LS that's preconfigured for your Token-Ring or Ethernet LAN. Get built-in Video Graphics Array (VGA) graphics for business presentations and reports.

No matter which model you pick, superior quality and reliability are part of the package. You can count on smooth performance—at a reasonable cost.

Model 55 SX and Model 55 LS at work

Here are some of the ways you can put the Model 55 SX or Model 55 LS to work for you:

- Process advanced 32-bit, 386-based applications without stretching your budget



- Support your pick of popular DOS programs with DOS 5.0—or do advanced multitasking with OS/2®
- Handle word processing files, work with a database, create an exciting presentation—even combine information from all three
- Share files, operating systems, programs, printers, plotters and other peripherals on a LAN

Feature	Benefit
16 MHz i386™ SX microprocessor	• Delivers impressive speed and power for business applications • Supports 32-bit, 386 applications at an affordable price
Micro Channel architecture	• Provides efficient data paths for fast, reliable, balanced performance • Protects investment by providing a platform for future expansion and growth
Up to 8MB memory on the system board	• Gives you plenty of room and workspace without using an expansion slot • Lets you work with large amounts of data
Fixed disk drives	• Allow choice of 40 or 80MB – standard on SX models, optional on LS models
Available expansion slots	• Let you add more function
Built-in graphics capabilities	• VGA: Ensures crisp, clear graphics and text
Preconfigured, medialess system with remote program load	• Comes with Token-Ring or Ethernet preinstalled • Makes the Model 55 LS a network workstation that you can simply plug in

Model 55 SX

Power supply

4MB standard memory

Keyboard port

Pointing device port

Parallel port

Serial port

Display port

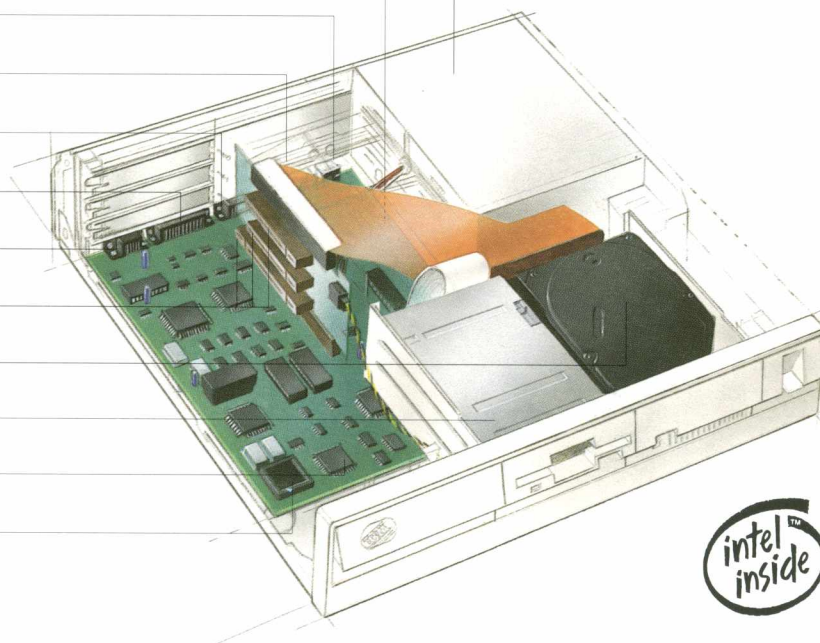
16-bit expansion slots

Fixed disk (40MB or 80MB)

1.44MB 3.5-inch diskette drive

i386 SX processor

i387™ SX math coprocessor
(optional)



Wide range of options¹

	Part no.
Storage devices	
• 3.5" 1.44MB 1-inch High Diskette Drive	6451072
• 5.25" 1.2MB External Diskette Drive	4869002
• 5.25" 360KB External Diskette Drive	4869001
• 40MB Fixed Disk Drive ²	6451047
• 80MB Fixed Disk Drive ²	6451043
• External CD-ROM Drive	3510001
• 3.5" Rewritable Optical Drive	6450162
• 6157 Streaming Tape Drive (60MB, 150MB)	6157001/6157002
• 3363 External Optical Disk A11	68X7946
• 3363 External Optical Disk B01	63X4182
Scanners	
• 3117 Scanner	3117010
• 3118 Scanner	3118010/3118020
• 3119 PageScanner	94X2410
Connectivity/communications	
• Token-Ring Network Adapter A	69X8138
• Token-Ring Network 16/4 Adapter/A	16F1133
• Token-Ring Network 16/4 Trace and Performance Adapter/A	74F5130
• Adapter/A for Ethernet Networks	6451091
• Dual Async Adapter/A	6451013
• Multi-Protocol Adapter/A	6451003
• 3270 Connection	74F3465
• 300/1200/2400 Internal Modem/A	94X1755
• Leased Line Modem	26F1862
• System 36/38 W/S Emulation Adapter/A	69X6279
• System/370™ Channel Emulation Adapter/A	1674899
• Realtime Interface Co-Processor Multiport/2 and related features	09F1897 ³
• Realtime Interface Co-Processor Portmaster Adapter/A and related features	53F2601 ³
• X.25 Realtime Interface Co-Processor/2	16F1858
Image graphics and multimedia	
• XGA Display Adapter/A	75X5887
• Display Adapter 8514/A	1887972
• Image Adapter/A series	44F9914 ³
• Audio Capture/Playback Adapter/A	34F2784
• Video Capture Adapter/A	34F2785
• Enhanced M-Motion Video Adapter/A	95F1091
Other features	
• Micro Channel SCSI Adapter	6451109
• Micro Channel SCSI Adapter with Cache	6451110
• PS/2 Mouse	6450350
• Screen Reader™	6450602

Memory matrix table

Memory on system board	All models
Standard memory	4MB
Maximum memory	8MB
System board memory expansion kits (part number)	1MB (6450603) 2MB (6450604) 4MB (87F9977)
Number of memory kits that can be added on system board	1
Memory configurations possible on system board	4MB, 5MB, 6MB, 8MB
Memory options (cards)	
Memory expansion card size (part number) and capacity range	2MB (6540609) 2–8MB
Memory kits to upgrade card	1MB (6450603) 2MB (6450604)
Maximum number of memory kits that can be added to each memory card	3
Maximum number of memory cards/system	2
Maximum system memory	16MB

Why PS/2?

Here are some of the reasons why PS/2 stands out as the best solution for your business needs.

Technological leadership through Micro Channel architecture, integrated construction and advanced design (by combining Very Large-Scale Integration and Surface Mount Technology), and optional SCSI support for large data storage.

Extensive communications capabilities—through a wide range of connectivity options—provide concurrent support for intelligent communications adapters and coprocessors, thanks to Micro Channel architecture.

Compatibility and expandability to protect your investment since the PS/2s you have today work with existing products and programs and with those you'll need tomorrow.

Service and support that provide you with everything from fast parts delivery to onsite services to system planning to 24-hour phone support—all at a competitive price.

Business Partners who enhance PS/2 capabilities by helping customers choose, customize and configure hardware and software to meet a range of needs.

Quality and reliability that ensure PS/2s are built to perform smoothly and dependably year after year.

IBM Personal System/2 Model 55 SX and Model 55 LS at a glance

Machine numbers	8555-041, 081	8555-LT0, LE0
Microprocessor		
Standard	80386 SX	80386 SX
Clock speed	16 MHz	16 MHz
Wait states	0-2	0-2
Optional	80387 SX	80387 SX
Clock speed	16 MHz	16 MHz
Part number	27F4676	27F4676
Bus architecture	Micro Channel	Micro Channel
Data path	16-bit	16-bit
Memory (RAM)*		
Standard	4MB (85ns)	4MB (85ns)
Maximum on system board	8MB	8MB
System maximum	16MB	16MB
Integrated functions	VGA and display port, serial port, parallel port, pointing device port, keyboard port, disk and diskette controllers, clock/calendar, security password feature; Token-Ring 16/4 Adapter/A with RPL feature (LT0), Ethernet Adapter (LE0)	
Available expansion slots	Three 16-bit	Two 16-bit
Diskette storage (internal)		
Standard (3.5-inch)	1.44MB	—
Optional	—	One 1.44MB
Fixed disk storage		
Standard	041: 40MB (17ms) 081: 80MB (16ms)	—
Optional	—	40MB (17ms), 80MB (16ms)
Display modes	VGA (includes all EGA, CGA and MCGA modes)	
Text	360 or 720 x 400; 9 x 16 pel character matrix; 80 columns x 25 rows; up to 16 colors	
Graphics	320 x 200 x 256 colors or 64 gray shades; 640 x 480 x 16 colors or 16 gray shades; palette of 256,000 colors or 64 gray shades	
Optional graphics	Expanded graphics modes, including 1,024 x 768 x 256 colors are supported via the optional PS/2 Display Adapter 8514/A or XGA Display Adapter/A and related features; higher-resolution modes are supported by the PS/2 Image Adapter/A series	
Supported displays	IBM Personal System/2 Color Displays 8512, 8513, 8514, 8515 and 8516; IBM Personal System/2 Monochrome Displays 8504, 8506, [§] 8507 and 8508 [§]	
Supported printers/plotters	IBM Proprinter [®] family, IBM Quickwriter [®] , IBM Quietwriter [®] III, IBM ExecJet [™] , IBM LaserPrinter family, IBM Page Printer 3812/3816, IBM 618X and 737X Color Plotters	
Keyboard	101 keys, including 12 function keys, 3 lighted mode indicators; 6-foot coiled cable	
Power supply	90-watt worldwide, manual switching	
Operating systems	041, 081: DOS 3.3 or higher, IBM Operating System/2 [®] Standard or Extended Edition 1.2 or 1.3, AIX [®] Personal System/2 1.2 (081 only); LT0: DOS 3.3 or higher client support provided by an Operating System/2 server using OS/2 Extended Edition 1.2 or 1.3 and OS/2 LAN Server 1.2 or 1.3, [§] or by a DOS server using DOS 3.3 or higher, PC LAN Program 1.33, and LAN Support Program 1.2; LE0: DOS client support of DOS 3.3 or higher provided by Novell NetWare [®] 286 or 386	
Size	Approx. 4.0"H x 16.0"W x 15.6"D (102mm x 406mm x 397mm); 19.0 lbs (8.6 kg)	
Warranty	One-year limited warranty	

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[†]The options listed may require other features for the desired function or for installation.

[‡]Optional on Models 8555-LT0 and LE0 only.

[§]There is more than one part number for this type of option depending on the amount of on-card memory and/or other functions desired.

[¶]128KB of this memory is reserved for hardware system use.

[§]Supported by PS/2 Image Adapter/A series.

[¶]A future release of OS/2 LAN Server will provide OS/2 remote IPL support in a Token-Ring Network and both DOS and OS/2 remote IPL support in an Ethernet network.



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